

### Abstract

The invention relates to an apparatus for transporting polymer dispersions, said apparatus being capable of being driven by a drive and being designed as an impeller (28). It is possible for said impeller both to be surrounded by a housing and to protrude freely into the polymer dispersion contained in the reactor tank. A number of vanes (2) are mounted in the region of the hub (1) of the impeller (28) in such a way that pumping spaces (5, 25) on the front side (7) and rear side (8) of the impeller (28) are flowed through uniformly.

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(Figure 1)

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